

# Cryptography – Math 494

Interession 2012 · M-F 9:00-11:50 · Serra 155

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Office Hours: M-F 12:00-1:15

## Supplies

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Text: *Introduction to Cryptography with Coding Theory* by Trappe and Washington

## Grading Scale

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The grading scale of your choice below will determine your final grade.

Professional Student Conduct	.....	5 %
Daily Quizzes	.....	15 %
Exam 1, Jan 11	.....	40 %
Exam 2, Jan 23	.....	40 %

or

Professional Student Conduct	.....	5 %
Daily Quizzes	.....	15 %
Course Summary	.....	10 %
Exam 1, Jan 11	.....	35 %
Exam 2, Jan 23	.....	35 %

or

Professional Student Conduct	.....	5 %
Daily Quizzes	.....	15 %
Independent Project	.....	10-20 %
Exam 1, Jan 11	.....	30-35 %
Exam 2, Jan 23	.....	30-35 %

All assessment will be based on the clarity of your explanations, your use of proper grammar, and the conceptual and logical correctness of your argument.

## Professional Student Conduct

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Everyone will start with 100% on this portion of their grade, and it is my intention that everyone will end the course with 100% as well. In order to keep all your points on this portion of your grade, you must have your laptops closed at all times during lecture. In addition, during the parts of the class that you are asked to work through computer examples, you will be expected to be spending your time on the computer working through the examples. Checking emails and surfing unrelated websites during class time will be bad news for your grade!

## Homework

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Homework is a critical component of any math course. Homework is without question the single most important component of this course. Homework will be assigned at the end of every class period, and you must complete it before the beginning of the next class period. Homework will not be collected, but you will need to do and to understand your homework completely in order to succeed on the quizzes.

## Daily Quizzes

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We will have a quiz every class period. Quizzes will be handed out at the very beginning of class, and will be collected exactly 10 minutes into class, at 9:10. If you arrive late to class, you will still have to turn in your quiz on time with the rest of the class. If you arrive after 9:10, you will not be able to take that day's quiz.

The quiz problems will be chosen directly from a previous homework assignment, or else they will be the same as a previous homework problem except for minor modifications. If you have already solved and understand the solutions to your homework problems, then you will have plenty of time finish your quiz with a clear and neat solution to each problem. If you have not done your assignment ahead of time, then you may not have time to finish your quiz. So please, do your homework!

There will be 11 quizzes this semester, but I will drop your lowest quiz score when I calculate your grade. Therefore, you can skip one classes for any reason (illness, travel, hangover) without penalty. After that, missing a quiz for any reason will result in a 0 for a quiz that gets counted in your final grade.

## Course Summary

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On Friday January 20th, you have the option to turn in an individual written summary of the course. This summary can include definitions, description, examples, and anything else you think is relevant. It should be something more than just handing me your notes for the course – I'd like to see that you've given some thought to how all the topics we cover fit together; what the big picture is. I'll talk more about the course summary later in the term, but for now you might want to keep the question of the "big picture" in mind while you're in class.

## Independent Study

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On Friday January 20th, you have the option to turn in a 10 page report about a topic in cryptography that we are not covering in this class. If you are interested in this option, see me by the beginning of the second week of class so that we can agree on a topic for you to learn about, and a point value which corresponds to the value of the project.

## Exams

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You will have 2 exams, on the dates stated above. I will not give a make-up exam under any circumstances, so be sure that you can make these dates now!